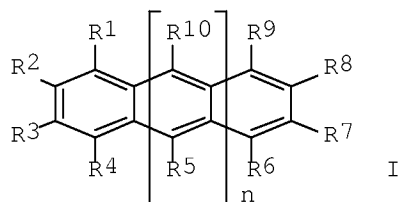


L100 ANSWER 25 OF 43 HCAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 2004:451248 HCAPLUS Full-text<<LOGINID::20100628>>
 DOCUMENT NUMBER: 141:32264
 TITLE: Manufacture of crystalline athene derivative
 organic semiconductor thin films
 INVENTOR(S): Nanpo, Takashi
 PATENT ASSIGNEE(S): Asahi Kasei Corporation,
 Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-----------------------------|------|------------------|-----------------|--------------|
| JP 2004158719 | A | 20040603 | JP 2002-324376 | 20021107 <-- |
| PRIORITY APPLN. INFO.: | | | JP 2002-324376 | 20021107 <-- |
| OTHER SOURCE(S): | | MARPAT 141:32264 | | |
| ED Entered STN: 04 Jun 2004 | | | | |
| GI | | | | |



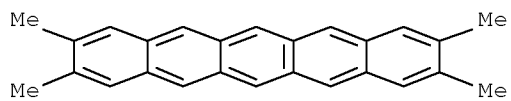
AB The title athene derivative semiconductor thin films are formed by PVD of an athene derivative (I: R1-10 = H, alkyl, alkynyl, alkenyl, aromatic hydrocarbon group, alkoxy, ether, halo, ketone, ester, amino, amide, cyano, silyl; ≥1 are non-H; n = 2-7) on a substrate, wherein its long axis of I is provided in vertical orientation to the substrate surface. The organic semiconductor thin films are deposited in level without defects,.

IT 499138-96-4P, 2,3,9,10-Tetramethylpentacene
 499138-97-5P 696664-33-2P
 RL: DEV (Device component use); PNU (Preparation, unclassified);
 PRP (Properties); PREP (Preparation); USES (Uses)
 (semiconductor thin film; manufacture of crystalline athene derivative organic semiconductor thin films)

IT 499138-96-4P, 2,3,9,10-Tetramethylpentacene
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 RL: DEV (Device component use); PNU (Preparation, unclassified);
 PRP (Properties); PREP (Preparation); USES (Uses)
 (semiconductor thin film; manufacture of crystalline athene derivative organic semiconductor thin films)

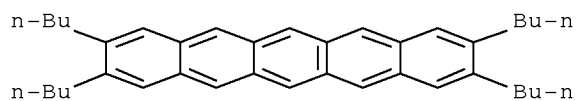
RN 499138-96-4 HCAPLUS
 CN Pentacene, 2,3,9,10-tetramethyl- (CA INDEX NAME)

10/590,727



RN 499138-97-5 HCAPLUS

CN Pentacene, 2,3,9,10-tetrabutyl- (CA INDEX NAME)



RN 696664-33-2 HCAPLUS

CN Pentacene, 2,3,9,10-tetrahexyl- (CA INDEX NAME)

